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(FILE 'HOME' ENTERED AT 08:46:21 ON 25 FEB 2004)

FILE 'REGISTRY' ENTERED AT 08:46:25 ON 25 FEB 2004

L1 STRUCTURE UPLOADED  
L2 6 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 08:46:55 ON 25 FEB 2004

L3 3 S L2

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COST IN U.S. DOLLARS

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164.64

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SINCE FILE

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L2: Entry 3 of 3

File: DWPI

Dec 27, 1990

DERWENT-ACC-NO: 1991-000918

DERWENT-WEEK: 200010

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TITLE: Light stabiliser aryl cpd. - contg. non-hetero nitrogen, useful in optical recording materials to stabilise cyanine dyes

INVENTOR: FUJII, T; HAMADA, E ; OOTAGURO, K ; TAKAGISI, Y

PATENT-ASSIGNEE:

ASSIGNEE

CODE

TAIYO YUDEN KK

TAIO

PRIORITY-DATA: 1990JP-0027389 (February 7, 1990), 1989JP-0120537 (May 16, 1989), 1989JP-0120538 (May 16, 1989), 1989JP-0120539 (May 16, 1989), 1989JP-0120540 (May 16, 1989)

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## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> EP 403797 A	December 27, 1990		028	
<input type="checkbox"/> PH 29139 A	September 26, 1995		000	G11B007/24
<input type="checkbox"/> AU 9054566 A	November 22, 1990		000	
<input type="checkbox"/> JP 02300287 A	December 12, 1990		000	
<input type="checkbox"/> JP 02300288 A	December 12, 1990		000	
<input type="checkbox"/> JP 02300289 A	December 12, 1990		000	
<input type="checkbox"/> JP 02304055 A	December 17, 1990		000	
<input type="checkbox"/> CA 2016195 A	November 16, 1990		000	
<input type="checkbox"/> JP 03232844 A	October 16, 1991		000	
<input type="checkbox"/> AU 633317 B	January 28, 1993		000	C09K015/24
<input type="checkbox"/> US 5318882 A	June 7, 1994		015	G11B007/24
<input type="checkbox"/> JP 95000782 B2	January 11, 1995		005	C09K015/20
<input type="checkbox"/> JP 95000783 B2	January 11, 1995		005	C09K015/20
<input type="checkbox"/> JP 95000784 B2	January 11, 1995		008	C09K015/24
<input type="checkbox"/> JP 95076198 B2	August 16, 1995		010	C07C211/56
<input type="checkbox"/> EP 403797 B1	November 22, 1995	E	019	C08K005/16

<input type="checkbox"/> DE 69023702 E	January 4, 1996	000	C08K005/16
<input type="checkbox"/> KR 9408387 B1	September 14, 1994	000	C09K005/24
<input type="checkbox"/> CA 2016195 C	April 28, 1998	000	C07C207/04

DESIGNATED-STATES: DE ES FR GB NL DE GB

CITED-DOCUMENTS:3.Jnl.Ref; A3...199124 ; JP 01099885 ; JP 62193891 ; JP 63098493 ; NoSR.Pub ; US 2619479 ; US 3095394 ; US 3166529 ; WO 8501508 ; 1.Jnl.Ref

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
EP 403797A	May 16, 1990	1990EP-0109275	
PH 29139A	May 4, 1990	1990PH-0040482	
JP 02300287A	May 16, 1989	1989JP-0120537	
JP 02300288A	May 16, 1989	1989JP-0120539	
JP 02300289A	May 16, 1989	1989JP-0120538	
JP 02304055A	May 16, 1989	1989JP-0120540	
JP 03232844A	February 7, 1990	1990JP-0027389	
AU 633317B	May 1, 1990	1990AU-0054566	
AU 633317B		AU 9054566	Previous Publ.
US 5318882A	April 23, 1990	1990US-0512984	CIP of
US 5318882A	April 16, 1991	1991US-0686870	
JP 95000782B2	May 16, 1989	1989JP-0120537	
JP 95000782B2		JP 2300287	Based on
JP 95000783B2	May 16, 1989	1989JP-0120539	
JP 95000783B2		JP 2300288	Based on
JP 95000784B2	May 16, 1989	1989JP-0120538	
JP 95000784B2		JP 2300289	Based on
JP 95076198B2	February 7, 1990	1990JP-0027389	
JP 95076198B2		JP 3232844	Based on
EP 403797B1	May 16, 1990	1990EP-0109275	
DE 69023702E	May 16, 1990	1990DE-0623702	
DE 69023702E	May 16, 1990	1990EP-0109275	
DE 69023702E		EP 403797	Based on
KR 9408387B1	May 16, 1990	1990KR-0007012	
CA 2016195C	May 7, 1990	1990CA-2016195	

, DE 69023702 E INT-CL (IPC): B01J 27/16; B41M 5/26; C07B 61/00; C07C 207/04; C07C 209/18; C07C 211/56; C07C 229/54; C07C 243/22; C07C 255/50; C08K 5/16; C08K 5/32; C08L 101/00; C09B 23/00; C09B 67/00; C09K 5/24; C09K 15/16; C09K 15/20 ; C09K 15/22; C09K 15/24; G03C 1/72; G03C 1/73; G11B 7/24

ABSTRACTED-PUB-NO: EP 403797A

## BASIC-ABSTRACT:

A light stabiliser cpd. comprises an aryl nitrogen cpd. contg. an aryl gp. and a N atom which is not a heteroatom. Esp. pref. are (1) nitrosoaniline derivs., (2) nitrosophenols and derivs., (3) nitrosonaphihols and derivs., (4) nitrosodiphenyl

amines and derivs., and (5) 1-picryl-2,2-diarylhydrazyl free radicals.

USE/ADVANTAGE - The cpd. is used to stabilise organic dyes, esp. cyanine dyes, rubber and polymers to light. They are esp. used in photographic and optical recording materials (claimed). The cpds. have high solubility in solvents and good miscibility with the dyes.

ABSTRACTED-PUB-NO:

EP 403797B

EQUIVALENT-ABSTRACTS:

The use of a nitrosodiphenyl amine represented by the general formula (I) wherein R6 is selected from the group consisting of hydrogen, a lower alkyl group, a carboxyl group, a cyano group, a hydroxyethyl group, an amino group, a hydroxyl group, an alkoxy group, a sulphonic acid amide group, a carboxylic acid amide group or the general formula: (II) wherein n is an integer of 1 - 3, and R' is the same or different member selected from the group consisting of a trifluoroalkyl group, a halogen atom and a nitro group, for stabilizing an organic dye, against the action of light.

US 5318882A

Optical recording medium comprises a recording layer comprising a light vulnerable organic dye and a light stabilising amt. of a nitrosodiphenylamine cpd. of formula (I).

The organic dye comprises a polymethine dye, triarylmethane dye, pyrylium dye, phenanthrene dye, tetrahydrocholine dye, triarylamine dye, squarylium dye, croconic methine dye or cyanine dye.

In (I), R6 is lower alkyl, halo, NO<sub>2</sub>, carboxyl, CN, hydroxyethyl, NH<sub>2</sub>, OH, alkoxy, trifluoroalkyl, sulphonic acid amide or carboxylic acid amide.

Pref. the dye is a cyanine dye and cpd. (I) is used in an amt. of 0.01-1 mole per mole of the dye.

ADVANTAGE - Medium is protected against deterioration by light.

CHOSEN-DRAWING: Dwg.0/0 Dwg.0/0 Dwg.0.0

TITLE-TERMS: LIGHT STABILISED ARYL COMPOUND CONTAIN NON HETERO NITROGEN USEFUL OPTICAL RECORD MATERIAL STABILISED CYANINE DYE

DERWENT-CLASS: A60 E14 E24 G06 L03 P75 P83 T03 W04

CPI-CODES: A08-A03; E10-A03; E10-A19; G06-C06; G06-D07; G06-H11; L03-G04B; L03-H04E2; L04-C05;

EPI-CODES: T03-B01B; W04-C01;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

C316 G001 G010 G011 G012 G013 G014 G015 G016 G019  
G023 G100 G221 H100 H102 H103 H141 H341 H342 H343  
H401 H402 H403 H441 H442 H481 H482 H581 H600 H601  
H608 H609 H641 H642 H643 H681 H682 H683 H684 H685

H689 J011 J131 J331 K0 K353 K7 K752 L143 M121  
M122 M136 M143 M210 M211 M212 M213 M214 M215 M216  
M220 M221 M222 M223 M224 M225 M226 M231 M232 M233  
M240 M272 M273 M280 M281 M282 M311 M312 M313 M314  
M315 M320 M321 M322 M331 M332 M333 M342 M383 M391  
M392 M414 M510 M520 M531 M532 M540 M781 M903 M904  
Q130 Q345 Q347 Q454 Q623  
Markush Compounds  
199101-A7001-U

## Chemical Indexing M3 \*02\*

## Fragmentation Code

C107 G010 G013 G017 G019 G100 H3 H343 J011 J012  
J231 J232 K0 K6 K640 L7 L750 M1 M121 M129  
M143 M146 M210 M211 M272 M280 M281 M282 M320 M414  
M510 M520 M533 M540 M781 M903 M904 Q130 Q345 Q347  
Q454 Q623

## Markush Compounds

199101-A7002-U

## POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0009 0037 0211 0228 2180 2199 2239 2245 2254 2262 2268 2602

Multipunch Codes: 014 03& 032 075 213 214 219 223 24& 273 329 335 353 360 42- 541  
546

## SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1991-000356

Non-CPI Secondary Accession Numbers: N1991-000761